

Serial No. 10/140,086

Atty Docket DP-305561

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-23. A listing of claims currently in the application is set forth:

1 - 23. (Cancelled)

24. (Original) A microelectromechanical device comprising:

a substrate having a cavity, a floor of the cavity, and a rim surrounding the cavity;

a proof mass supported within the cavity so as to have an axis of rotation perpendicular to the substrate;

first fingers cantilevered radially outward from the proof mass toward the rim;

second fingers cantilevered radially inward from the rim toward the proof mass and interdigitized with the first fingers; and

tethers interconnecting the proof mass and the rim;

wherein the microelectromechanical device further comprises at least one stiction bump located on the floor of the cavity beneath the proof mass, and a stiction bump on at least one of the second fingers facing a corresponding one of the first fingers.

25. (Original) The microelectromechanical device according to claim 24, wherein the first and second fingers have approximately equal widths in a direction parallel to a surface of the substrate.

26. (Original) The microelectromechanical device according to claim 24, wherein each of the tethers has a substantially constant width in a direction parallel to a surface of the substrate along a length of the tether between the proof mass and the rim.

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27. (Original) The microelectromechanical device according to claim 24, wherein a stiction bump is present on each of the second fingers and the stiction bumps face the first fingers with which the second fingers are interdigitized.

28. (Original) The microelectromechanical device according to claim 24, wherein a plurality of stiction bumps are present on the floor of the cavity beneath only the proof mass.

29. (Original) The microelectromechanical device according to claim 24, wherein the proof mass surrounds a hub on the floor of the cavity and has a peripheral region adjacent the first fingers, and wherein a first of the plurality of stiction bumps on the floor of the cavity surround the hub, a second of the plurality of stiction bumps on the floor of the cavity are directly beneath the peripheral region of the proof mass, and an annular-shaped central region of the cavity is free of stiction bumps.